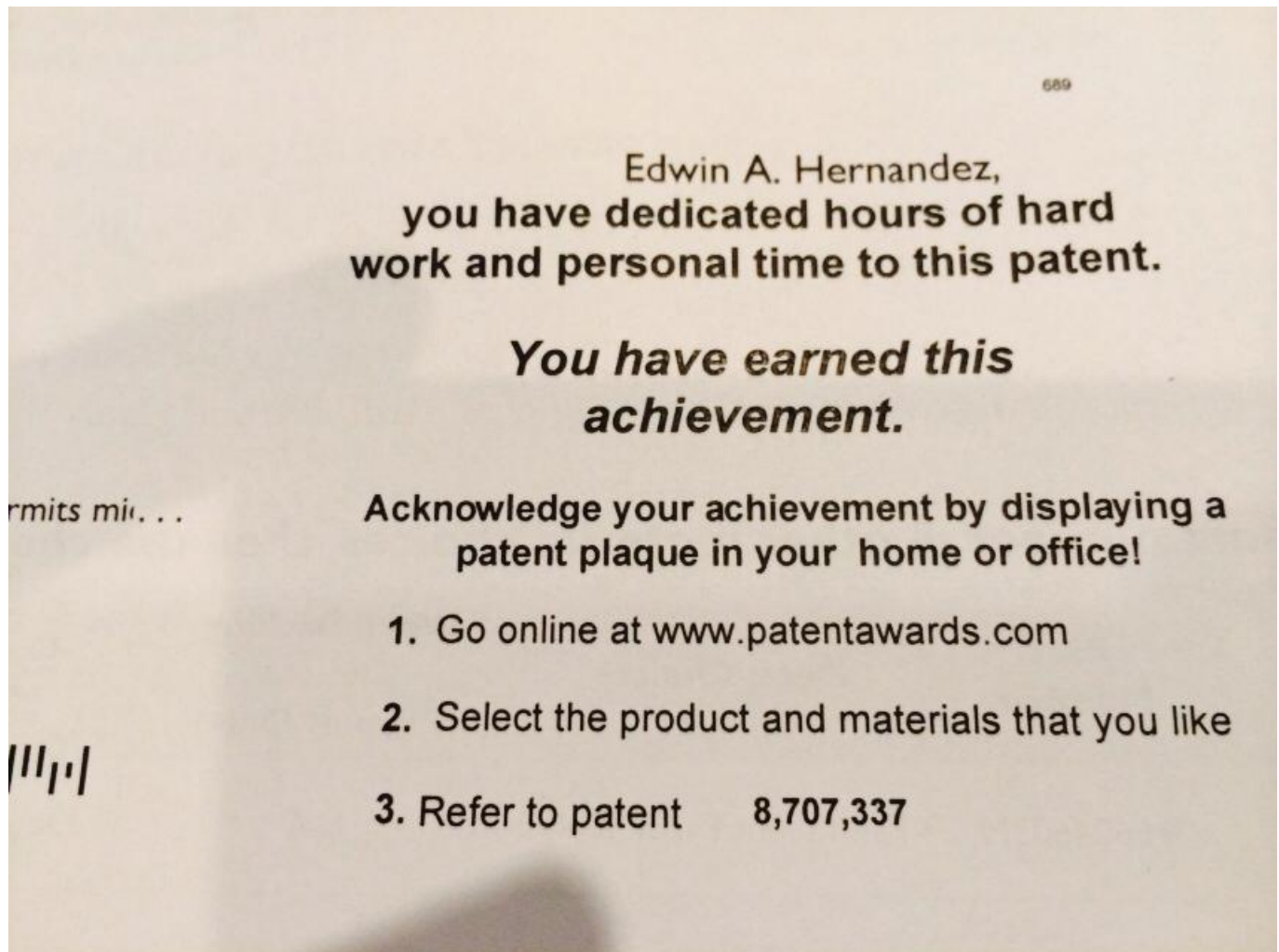


Publications



Publications : Dr. Edwin A Hernandez

Inventor, Expert Witness, Technology Professional, Entrepreneur

Publications can be downloaded from [here](#) and [slideshare](#)

Google Scholar:

- Link to Google Scholar:
https://scholar.google.com/citations?user=QsPG_EoAAAAJ&hl=en

Papers and Refereed Journals and Conferences

- J. Zalah, E. Hernandez, M. Medina "Analysis of Honduras technology transfer efforts and implementation of a high performance computing and networking infrastructure," Journal of World Development, [Download](#).
- **E. Hernandez** , "War of Mobile Browsers," IEEE Pervasive Computing, vol. 8, no. 1, pp. 82-85, Jan.-Mar. 2009 [Citation](#)
- **E. Hernandez**, A. Ayyagari, _Heavily-tailed Network Traffic Modeling for Power Management", IEEE Workshop on Performance and Management of Wireless and Mobile Networks Australia, November 2005. [Session 4](#)
- **E. Hernandez**, A. Helal, "*Predictive Mobile IP for Rapid Mobility*," IEEE Computing Conference on Wireless Local Networks, WLN 2004," Tampa, Fl. [Citation](#)
- M. Chinta, A. Helal, **E. Hernandez** ILC-TCP: An Interlayer Collaboration Protocol for TCP (2003) , Proceedings of the Trird IEEE Wireless Communications and Networking Conference (WCNC), [Citation](#)
- **E. Hernandez**, A. Helal "*RAMON: An emulation approach*," IEEE Confonference in Local Computer Networks.2002, Tampa, FL [Citation](#)
- **E. Hernandez**, M. Chideste, and A. George, "Adaptive sampling for network management," Journal of Networks and System Management (JNSM), Vol. 9, No. 4, Dec 2001. [Citation](#)
- **E. Hernandez**, A. Helal, " Examining Mobile-IP Performance in Rapidly Mobile Environments: The Case of a Commuter Train, " IEEE Conf. LCN 2001, Tampa, FL, Nov 14-16, 2001. [Citation](#)

- [Original Publication] A. Helal, S. Shah, **E. Hernandez**, Mobility Benchmarking In Ad-Hoc Networks, The IPSJ Journal, Vol.43, No.11, June 2002. Approx. 15 pp [Citation](#)
- S.Shah, **E. Hernandez**, A. Helal, "*CAD-HOC: A CAD Like Tool For Generating Mobility Benchmarks In Ad-Hoc Networks*," SAINT 2002, Japan, January 2002. [Citation](#)

Thesis & Dissertations

- **E. Hernandez** "*An adaptive protocol for rapid mobile environments*," Ph.D. Dissertation, University of Florida, August 2002. [Citation](#)
- **E. Hernandez**. "*Adaptive sampling for network management*," M.Sc. Thesis, University of Florida, Dec 1999.
- **E. Hernandez**, Y. Lee. "*Monitoring system of a packet data network*," B.Sc. Thesis. ITCR, July 1995.

Speaker at Conferences and Keynotes

- Honduras Global Speaker
- IEEE Wireless Conference and Local Computer Networks (LCN) Several presentations
- IEEE SOUTHEAST CONFERENCE 2004
- Keynote speaker: First Tuesday 2010 - Honduras
- TIGO Mobile Challenge Keynote - San Salvador 2010
- Webconf Latino 2010 - Tegucigalpa
- Mobile Commerce 2009, Mobile Monday Miami 2009-2010, 2010 - 4G Wireless

Conference Miami Beach FL

- Conferences to several universities including UNITEC, UJCV (4G Wireless).

Referee and Publication Reviewer

- 2019 International Symposium on Electrical and Electronics Engineering, ISEE2019.
- 2019 IEEE Asia-Pacific Conference on Applied Electromagnetics (APACE2019)
- 2019 1st International Conference on Cybernetics and Intelligent System (ICORIS) 2019.
- 2019 IEEE Game Entertainment and Media – Ireland
- **Editorial Board Member and Reviewer**, Journal for Networks and Systems Management, from 2004-present
- 2018 Journal of Simulation: Transactions of the Society for Modeling and Simulation International
- 2018 International Conference on Information and Communications Technology (ICOIACT)
- 2017 2nd International conferences on Information Technology, Information Systems and Electrical Engineering (ICITEE)
- Editorial Board Intl. Journal of Networks and Systems 2009-2011
- IEEE International Consumer Networks, 2011
- IEEE Broadnets 2008
- IEEE Wireless Networks Magazine, 2002-2003
- IEEE Transactions on Mobile Computing
- IEEE Wireless Local Networks 2005-2007
- IEEE Local Computer Networks 2007-2008
- IEEE GLOBECOM 2005
- IEEE SOUTHEAST CONFERENCE 2005

Honors and Awards

- Judge for the **Mobile World Congress** in Barcelona, Spain, 2019
- Founding member of **Honduras Global** dedicated to Entrepreneurship, Science & Technology
- **Fulbright-Scholar**: 1997-1999 – US State Department Program.
- 2018 Innovation Awards, City of Coral Springs, FL
- Nov 2018 - 3rdPlace Hackathon with “*Eye of the Storm*” at Office Depot, Boca Raton, FL
- Top projects in Emerge Americas 2018 Hackathon with Video Anemometer, Miami, FL
- Fifth Place in Bitcoin Hackathon 2018 with Bitcoin Caster, Miami, FL

https://github.com/win2013/bitcoin_alex

- Winner of Kinect/Gesture-controlled Hackathon in Boca Raton, FL
<https://github.com/win2013/airthenticate>
- Finalist and presenting EGLA COMMUNICATIONS at Florida Venture Forum in Coral Gables, FL 2015
- Finalist at “Emerge America’s” Conference with Mediamply/MEVIA in 2014, Miami Convention Center
- Finalist with Mediamply “**Music Sparks**” in LAB Miami, FL.
- Mention of honor in the Honduran National Science Contest, May
- Ranked 1st in undergraduate studies, Costa Rica Institute of Technology, July 1995.
 - Four consecutive academic scholarships under graduate work at Costa Rica Institute of Technology (ITCR), 1991-1999
- Winner Business Plan Competition in **University of Florida** 2002 and Runner-up in 2001
- *High-Performance Computing and Simulation Lab* student award, spring
- In March 2001, as a co-founder of E-melodies, runner-up during the *2001 UF Business Plan Competition* at the University of Florida and winner of the *2002 UF Business Plan Competition in Information Technology*.